

**9 V**

is adjusted 0.36 A  
 Tf 0.008481962 Nm  
 Ts 0.132761143 Nm  
 Ts-Tf 0.124279181 Nm

I	Efficiency	w (rad/s)	w (rpm)	T out	P in	P out	Efficiency
0.36	0	0	0	0.124279181	3.24	0	0
0.35	0.025952381	0.677909199	6.473555998	0.120591371	3.15	0.08175	0.025952381
0.342	0.046637427	1.220236558	11.6524008	0.117641124	3.078	0.14355	0.046637427
0.334	0.067248836	1.762563917	16.83124559	0.114690876	3.006	0.20215	0.067248836
0.326	0.087781186	2.304891276	22.01009039	0.111740629	2.934	0.25755	0.087781186
0.318	0.108228512	2.847218635	27.18893519	0.108790381	2.862	0.30975	0.108228512
0.31	0.128584229	3.389545994	32.36777999	0.105840133	2.79	0.35875	0.128584229
0.302	0.14884106	3.931873353	37.54662479	0.102889886	2.718	0.40455	0.14884106
0.294	0.16899093	4.474200712	42.72546958	0.099939638	2.646	0.44715	0.16899093
0.286	0.189024864	5.016528071	47.90431438	0.09698939	2.574	0.48655	0.189024864
0.278	0.208932854	5.55885543	53.08315918	0.094039143	2.502	0.52275	0.208932854
0.27	0.228703704	6.101182789	58.26200398	0.091088895	2.43	0.55575	0.228703704
0.262	0.248324852	6.643510148	63.44084878	0.088138648	2.358	0.58555	0.248324852
0.254	0.267782152	7.185837507	68.61969357	0.0851884	2.286	0.61215	0.267782152
0.246	0.287059621	7.728164866	73.79853837	0.082238152	2.214	0.63555	0.287059621
0.238	0.306139122	8.270492226	78.97738317	0.079287905	2.142	0.65575	0.306139122
0.23	0.325	8.812819585	84.15622797	0.076337657	2.07	0.67275	0.325
0.222	0.343618619	9.355146944	89.33507277	0.07338741	1.998	0.68655	0.343618619
0.214	0.361967809	9.897474303	94.51391756	0.070437162	1.926	0.69715	0.361967809
0.206	0.380016181	10.43980166	99.69276236	0.067486914	1.854	0.70455	0.380016181
0.198	0.397727273	10.98212902	104.8716072	0.064536667	1.782	0.70875	0.397727273
0.19	0.41505848	11.52445638	110.050452	0.061586419	1.71	0.70975	0.41505848
0.182	0.431959707	12.06678374	115.2292968	0.058636171	1.638	0.70755	0.431959707
0.174	0.448371648	12.6091111	120.4081416	0.055685924	1.566	0.70215	0.448371648
0.166	0.464223561	13.15143846	125.5869864	0.052735676	1.494	0.69355	0.464223561
0.158	0.47943038	13.69376582	130.7658311	0.049785429	1.422	0.68175	0.47943038
0.15	0.493888889	14.23609318	135.9446759	0.046835181	1.35	0.66675	0.493888889
0.142	0.507472613	14.77842053	141.1235207	0.043884933	1.278	0.64855	0.507472613
0.134	0.520024876	15.32074789	146.3023655	0.040934686	1.206	0.62715	0.520024876
0.126	0.531349206	15.86307525	151.4812103	0.037984438	1.134	0.60255	0.531349206
0.118	0.541195857	16.40540261	156.6600551	0.03503419	1.062	0.57475	0.541195857
0.11	0.549242424	16.94772997	161.8388999	0.032083943	0.99	0.54375	0.549242424
0.102	0.555065359	17.49005733	167.0177447	0.029133695	0.918	0.50955	0.555065359
0.094	0.558096927	18.03238469	172.1965895	0.026183448	0.846	0.47215	0.558096927
0.086	0.55755814	18.57471205	177.3754343	0.0232332	0.774	0.43155	0.55755814
0.078	0.552350427	19.11703941	182.5542791	0.020282952	0.702	0.38775	0.552350427
0.07	0.540873016	19.65936677	187.7331239	0.017332705	0.63	0.34075	0.540873016
0.062	0.520698925	20.20169412	192.9119687	0.014382457	0.558	0.29055	0.520698925
0.054	0.487962963	20.74402148	198.0908135	0.01143221	0.486	0.23715	0.487962963
0.046	0.436111111	21.28634884	203.2696583	0.008481962	0.414	0.18055	0.436111111
0.038	0.353070175	21.8286762	208.4485031	0.005531714	0.342	0.12075	0.353070175
0.03	0.213888889	22.37100356	213.6273479	0.002581467	0.27	0.05775	0.213888889
0.023	0	22.84554	218.1588371	0	0.207	0	0

Max efficiency 0.558363859

I peak efficiency 0.090994505 A  
 W peak efficiency 18.23612994 rad/s  
 T peak efficiency 0.036426171 Nm

I peak power 0.1915 A  
 P peak power 0.70319375 W  
 W peak power 11.42277 rad/s  
 T peak power 0.06213959 Nm

P out peak eff 0.457272389  
 P out peak eff 0.457272389